

Nebraska's College and Career Ready Standards for Mathematics

State Board of Education Running Updates





Update: T&L Committee

October 6, 2021



Update: T&L Committee (10/6)

- 9/23/2021: Application Made Available
- 9/24/2021: Application sent to curriculum contacts and non-public admin
- 9/27/2021: Outreach made to Catholic Conference
- 9/28/2021: 2015 Math Standards Public Input Survey Opens
- 9/29/2021: Press Release: Public Input Survey
- 9/29/2021: Outreach made to postsecondary education



Update: T&L Committee (10/6)

Writer Minimum Qualifications:

- Postsecondary degree(s) in education,
- PK-16 teaching experience in mathematics, and
- Experience with mathematics standards, curricula, or instructional materials.

Writer Preferred Qualifications:

- Postsecondary degree(s) in mathematics education or related field;
- PK-16 mathematics teaching experience in a Nebraska institution;
- Experience as a director, specialist, coordinator, or administrator in a Nebraska school or ESU.



Update: T&L Committee (10/6)

Math Standards Revision Webpage:

<https://www.education.ne.gov/math/mathematics-standards-revision/>

Public Input:

Email: nde.mathstandardsinput@nebraska.gov

US Mail: Nebraska Department of Education

Public Input Survey:

https://nde.qualtrics.com/jfe/form/SV_6YI1a9ZbpkjRhkO





Update: T&L Committee

November 3, 2021



Update: T&L Committee (11/3)

- 9/23/2021: Application Made Available
- 10/5/2021: Application Window Closes
- 10/11 - 10/18: Review of Applications
 - Writer Minimum Qualifications:
 - Postsecondary degree(s) in education,
 - PK-16 teaching experience in mathematics, and
 - Experience with mathematics standards, curricula, or instructional materials.



Update: T&L Committee (11/3)

- 10/25/2021: Potential Writers and Group Facilitators Notified
- 11/20/2021: Writing Meeting #1 (virtual)
- 12/13/2021: NU Subject Matter Experts Meeting (virtual)



Update: T&L Committee (11/3)

- Coming Soon:
 - Reviewing data from Public Input Survey #1
 - Meeting with subject matter experts from state colleges and community colleges.





Thank you!



Discussion Item: T&L Committee and Full Board

December 2, 2021



Our mission...



*To lead and support the preparation of all
Nebraskans for learning, earning, and living*



Nebraska Revised Statute 79-760.01

- For reading, writing, mathematics, science, and social studies, the statute requires districts to:
 - Adopt state-approved content standards
 - OR**
 - Adopt content standards deemed **equal to** or **more rigorous** than the state-approved standards



Nebraska's College & Career Ready Standards for Mathematics

- Summative Assessment Data:

Data Year	Percent Proficient (All Grades, 3-8)
2020-2021	**Modified due to the COVID-19 pandemic
2019-2020	*Cancelled due to the COVID-19 pandemic
2018-2109	52%
2017-2018	51%



Nebraska's College & Career Ready Standards for Mathematics

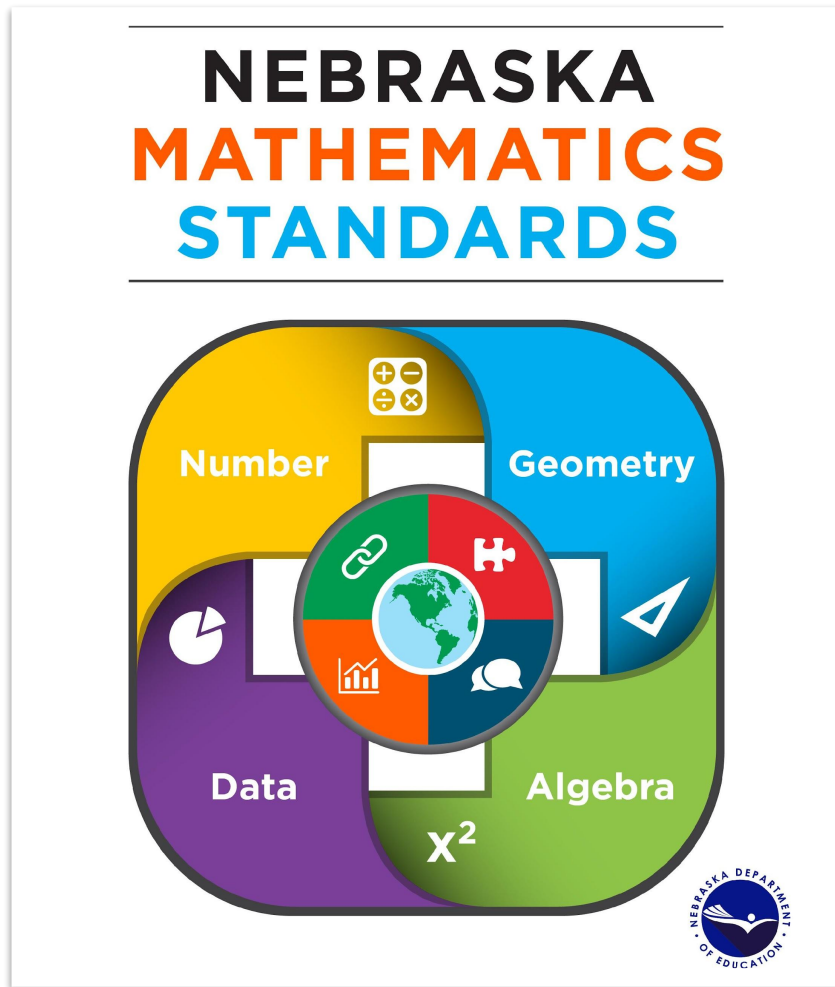
- Instructional Materials Data:

	# of Districts	% of Districts
Elementary		
2021-2022	98	40%
2020-2021	64	26%
2019-2020	27	11%
Middle School		
2021-2022	49	20%
2020-2021	17	7%
2019-2020	11	5%
High School		
2021-2022	62	25%
2020-2021	19	8%
2019-2022	20	8%

Districts using instructional materials rated as “meets” for alignment and usability as determined by EdReports.



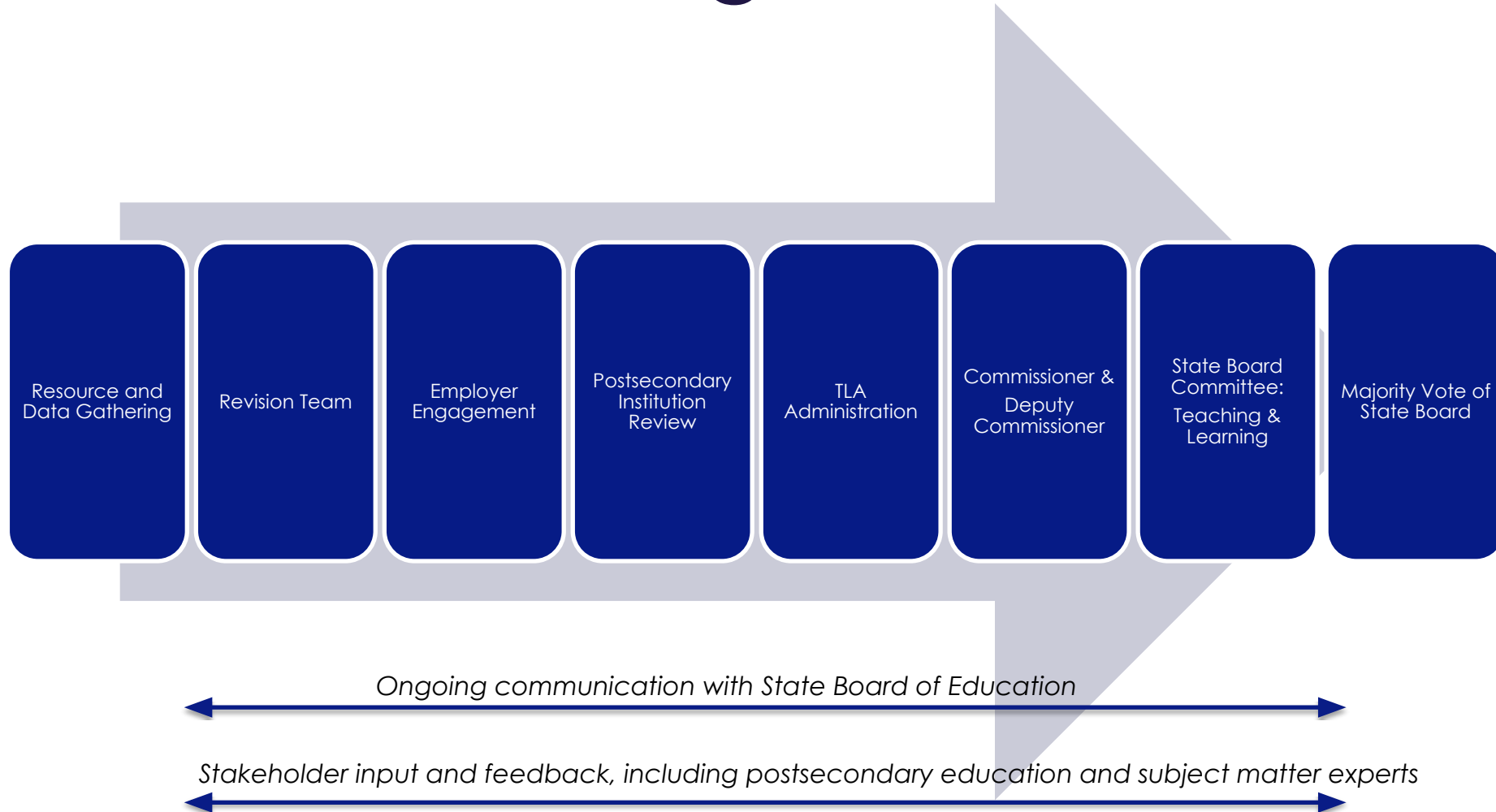
Our Charge...



- Utilize the 2015 standards as a starting point for the revision.
- Outline grade-level expectations for student learning of mathematics.
- Develops standards, that when mastered, would allow a student to be successful in postsecondary coursework without the need for remediation.
- Develop standards that allow for deep learning in mathematics.
- Consider and incorporate stakeholder input and feedback, as appropriate.



How do we get there?



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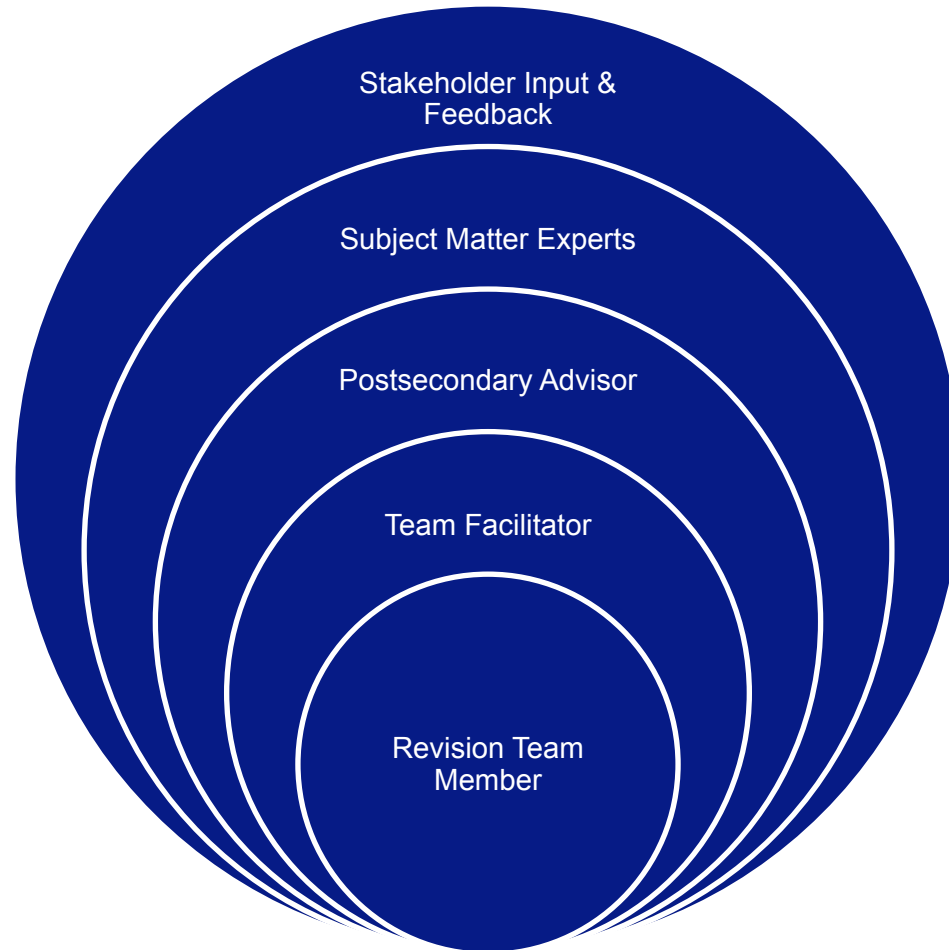
Nebraska's College & Career Ready Standards for Mathematics

Revision Team

- Representation from public and non-public schools.
- Organized by Grade Band:
 - K-2, 3-5, 6-8
 - HS: Data, Geometry, Algebra
- Revision team members, school district, and role is posted in Sparq and on the math standards revision webpage.



How do we get there?



Nebraska's College and Career Ready Standards for Mathematics

State Board of Education Running Updates





Update: Planning & Evaluation Committee

February 3, 2022





Nebraska's College & Career Ready Standards for Mathematics

Nebraska Revised Statute 79-760.01

- Requires the State Board of Education to:
 - Adopt measurable academic content standards for at least the grade levels required for statewide assessment.
 - Cover the subject areas of reading, writing, mathematics, science, and social studies.
 - Develop a plan to review and update standards for each subject area every seven years.



Nebraska's College & Career Ready Standards for Mathematics

- Approved by the State Board of Education on September 4, 2015.
 - Designated as “college and career ready” by Nebraska’s postsecondary systems.
- Summative Assessment:
 - Grades 3-8: NSCAS
 - Grade 11: ACT



Nebraska's College & Career Ready Standards for Mathematics

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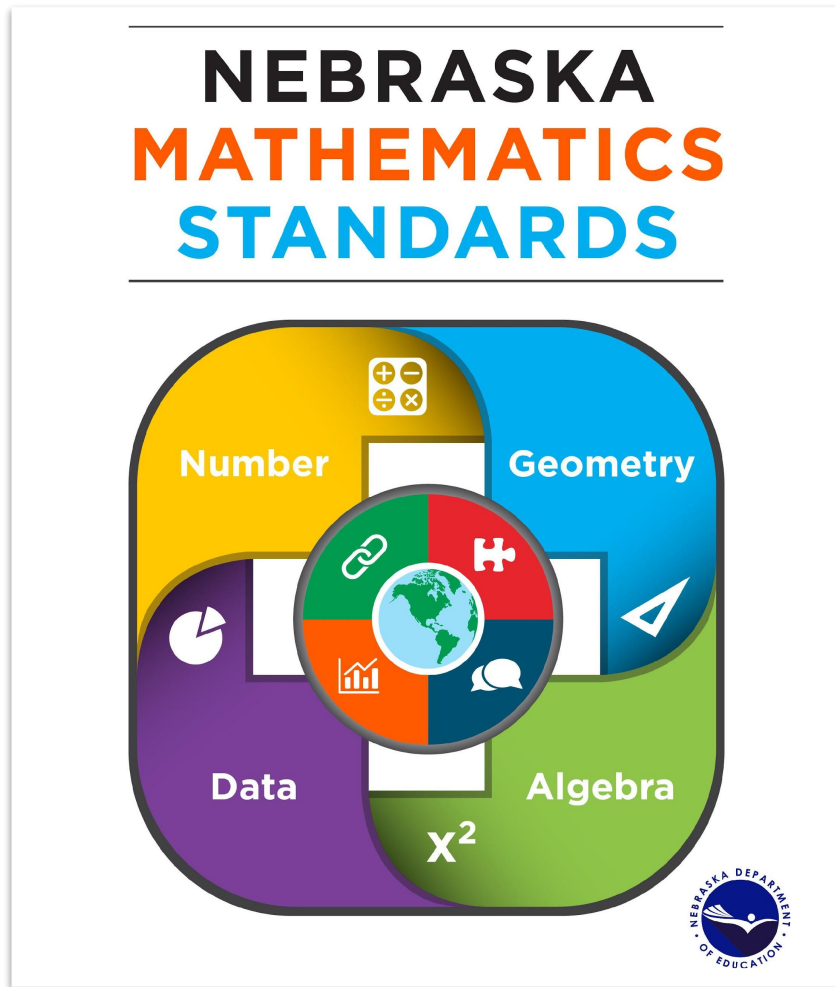
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Update: P & E Committee (2/3)

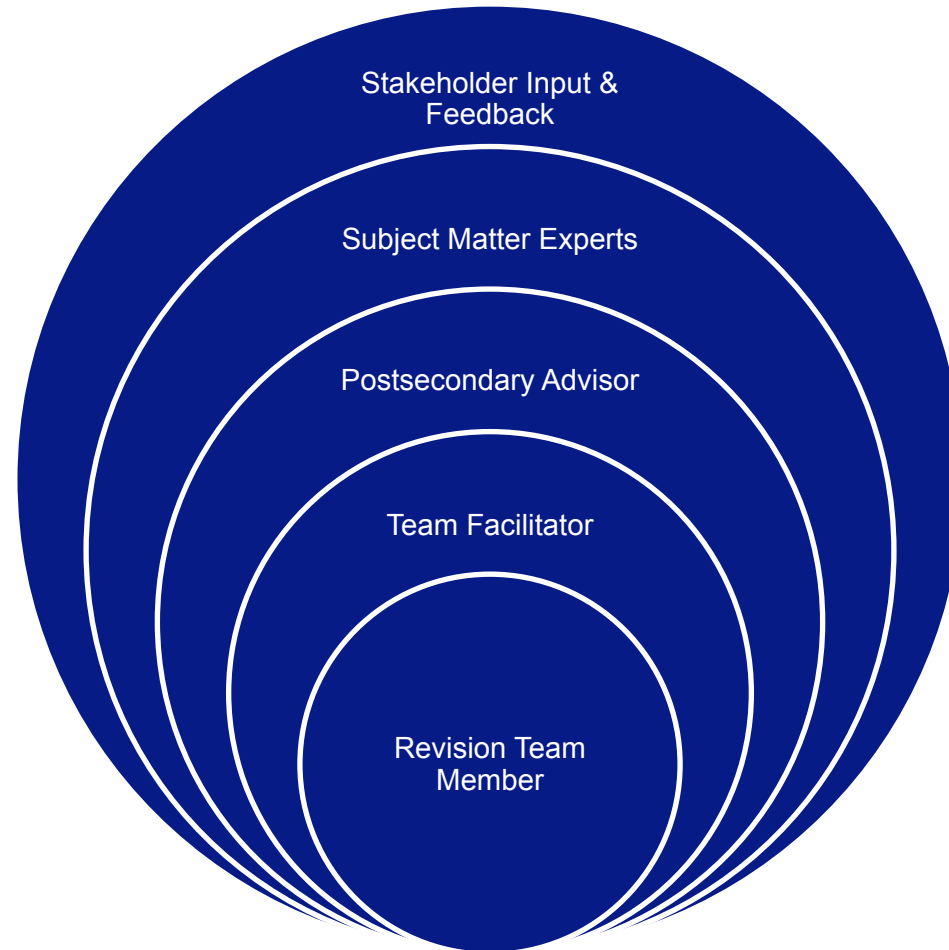
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How do we get there?



Key Updates:

Revision Process Overview: Posted in Sparq

Postsecondary Meetings:

What do students need to know and be able to do in order to be successful in postsecondary mathematics coursework without the need for remediation?

What knowledge and skills are needed for students to be prepared for careers in Nebraska's growing industries?

December 2021: University System Meeting

January 2021: State Colleges Meeting



Key Considerations for Revision (As of Jan. 2022)

- Identification of “big” mathematical ideas to consider reducing number of standards.
- Grade 6-8 focus on ratios and proportional reasoning and arithmetic of rational numbers to build a strong foundation prior to high school.
- Closely examine standards found in high school math to identify skills that are relevant to future learning.
- Strengthen the data strand across the standards K-12.
- Strengthen the process standards throughout the document.



Tentative Revision Timeline

Fall 2021	Revision Process Announced
September 2021	Public Input Survey #1 Opens
October 2021	Revision Team Application Made Available
October 2021	Revision Team Notified
November 2021	Revision Meeting #1
December 2021	Postsecondary Education Feedback Sessions
Spring 2022	Revision Team Meetings and Editing (as needed)
April 2022	Target Date: Draft #1
April 2022	Public Input Survey #2 Opens
Summer 2022	Revision Team Meetings and Editing (as needed)
Summer 2022	Postsecondary Education Validation & Sign-off
August 2022	Target Date: Final Draft
September 2022	Anticipated State Board Approval

 Note: Ongoing Communication and Updates with State Board of Education

Thank you!

